

Summary of Monthly Normals
1991-2020

Generated on 04/28/2024

Current Location: Elev: 1071 ft. Lat: 37.6669° N Lon: 93.1069° W
Station: **BUFFALO 2N, MO US USC00231087**

Temperature (°F)																						
Mean							Cooling Degree Days						Heating Degree Days				Mean Number of Days					
							Base (above)						Base (above)									
Month	Daily Max	Daily Min	Mean	Long Term Max Std Dev	Long Term Min Std Dev	Long Term Avg Std Dev	55	57	60	65	70	72	55	57	60	65	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
01	42.6	20.1	31.3	3.9	3.8	3.6	2.2	1.2	0.5	0.1	0.0	0.0	735.0	795.9	888.3	1042.9	0.0	0.0	9.7	7.4	25.8	1.6
02	48.0	23.6	35.8	4.8	4.2	4.3	5.0	2.4	1.0	0.2	0.0	0.0	542.5	595.9	678.5	817.7	0.0	0.0	12.5	3.9	21.2	0.3
03	57.5	32.6	45.0	5.0	4.0	4.4	34.5	24.0	12.7	3.1	0.3	0.1	343.0	394.4	476.1	621.6	0.0	0.0	21.7	1.0	14.5	0.1
04	67.6	42.2	54.9	3.5	3.1	3.1	117.9	89.5	55.2	18.4	3.0	0.9	120.9	152.5	208.2	321.4	0.0	0.0	27.9	0.0	5.3	0.0
05	75.6	52.4	64.0	2.9	3.2	2.9	299.4	248.6	180.0	88.7	29.6	15.6	20.4	31.7	56.1	119.7	0.0	0.4	30.8	0.0	0.5	0.0
06	83.9	61.4	72.6	2.8	2.5	2.4	529.6	470.1	381.7	240.8	120.1	81.6	0.3	0.8	2.3	11.4	0.2	5.2	30.0	0.0	0.0	0.0
07	88.9	65.8	77.3	3.3	2.7	2.7	692.7	630.7	537.7	383.5	235.6	181.3	0.0	0.0	0.0	0.9	1.4	13.0	31.0	0.0	0.0	0.0
08	87.5	63.8	75.7	3.2	2.8	2.8	639.9	578.0	485.4	333.9	195.7	147.0	0.0	0.1	0.5	3.9	1.0	11.6	31.0	0.0	0.0	0.0
09	80.5	54.8	67.6	2.8	3.5	3.0	386.7	331.5	254.0	144.4	64.6	42.1	7.3	12.1	24.6	65.0	0.1	3.4	30.0	0.0	0.1	0.0
10	69.7	43.0	56.3	3.2	2.2	2.3	140.9	108.7	69.4	26.8	6.8	3.6	99.0	128.9	182.5	295.0	0.0	0.2	29.6	0.0	3.5	0.0
11	56.7	32.8	44.8	5.3	3.7	4.2	27.3	18.3	8.7	1.9	0.2	0.1	334.8	385.7	466.2	609.4	0.0	0.0	21.3	0.6	13.6	0.0
12	46.1	24.1	35.1	4.6	3.5	3.9	4.6	2.7	0.9	0.2	0.0	0.0	621.3	681.3	772.6	926.9	0.0	0.0	12.4	4.2	23.5	0.4
Summary	67.0	43.1	55.0	3.8	3.3	3.3	2881	2506	1987	1242	656	472	2824	3179	3756	4836	2.7	33.8	287.9	17.1	108.0	2.4

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Precipitation (in.)									
	Totals	Mean Number of Days				Precipitation Probabilities Probability that precipitation will be equal to or less than the indicated amount			
	Means	Daily Precipitation				Monthly Precipitation vs. Probability Levels			
Month	Mean	>= 0.01	>= 0.10	>= 0.50	>= 1.00	0.25	0.50	0.75	
01	2.40	6.9	4.2	1.5	0.6	0.98	2.06	3.25	
02	2.22	6.9	4.1	1.4	0.4	1.04	1.93	3.05	
03	3.50	9.9	6.9	2.5	0.7	2.23	3.27	4.31	
04	4.93	10.5	7.2	3.5	1.8	3.24	4.46	6.28	
05	5.77	12.1	8.8	3.4	1.6	4.14	5.58	6.94	
06	4.44	10.0	7.1	3.1	1.0	2.97	4.55	5.26	
07	3.93	8.2	6.0	2.5	1.0	1.93	3.42	5.81	
08	4.20	7.9	6.1	2.7	1.3	2.62	3.82	6.05	
09	4.11	7.2	5.3	2.6	1.4	1.77	3.02	5.39	
10	3.53	8.2	5.5	2.3	1.0	2.05	3.40	4.38	
11	3.75	8.6	6.1	2.8	1.1	1.67	3.08	4.74	
12	2.48	6.3	4.5	1.3	0.7	1.32	2.09	3.26	
Summary	45.26	102.7	71.8	29.6	12.6	25.96	40.68	58.72	

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Snow (in.)													
	Totals	Mean Number of Days									Snow Probabilities Probability that snow will be equal to or less than the indicated amount		
	Means	Snowfall >= Thresholds					Snow Depth >= Thresholds				Monthly Snow vs. Probability Levels Values derived from the incomplete gamma distribution.		
Month	Snowfall Mean	0.01	1.0	3.0	5.00	10.00	1	3	5	10	.25	.50	.75
01	4.10	2.0	1.1	0.4	0.1	0.0	6.3	2.8	1.1	0.3	2.10	3.10	4.50
02	1.70	2.0	0.9	0.3	0.1	0.0	2.1	0.9	0.3	0.0	0.00	0.70	1.80
03	1.20	0.6	0.5	0.2	0.0	0.0	0.7	0.3	0.0	0.0	0.00	0.00	1.60
04	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
05	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
06	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
07	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
08	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
09	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
10	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
11	0.50	0.4	0.3	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.00	0.00	0.90
12	1.50	1.1	0.7	0.2	0.1	0.0	2.2	0.9	0.6	0.0	0.00	0.30	1.20
Summary	9.0	6.1	3.5	1.1	0.3	0.0	11.7	4.9	2.0	0.3	2.1	4.1	10.0

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Growing Degree Units (Monthly)												
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Growing Degree Units (Monthly)												
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	45.4	80.1	231.7	455.8	744.2	979.3	1157.6	1104.9	829.4	511.9	212.5	66.3
45	18.9	40.9	140.9	323.1	590.0	829.4	1002.7	950.0	679.7	369.1	123.0	31.7
50	7.1	17.8	75.9	208.3	439.4	679.4	847.7	795.0	530.9	242.1	62.2	13.1
55	2.2	5.0	34.5	117.9	299.4	529.6	692.7	639.9	386.7	140.9	27.3	4.6
60	0.5	1.0	12.7	55.2	180.0	381.7	537.7	485.4	254.0	69.4	8.7	0.9
Growing Degree Units for Corn (Monthly)												
50/86	39.2	65.5	160.6	289.7	473.5	659.4	783.4	740.0	541.5	331.3	140.7	51.3

Growing Degree Units (Accumulated Monthly)												
40	45	126	357	813	1557	2536	3694	4799	5628	6140	6353	6419
45	19	60	201	524	1114	1943	2946	3896	4576	4945	5068	5099
50	7	25	101	309	748	1428	2276	3071	3602	3844	3906	3919
55	2	7	42	160	459	989	1681	2321	2708	2849	2876	2881
60	0	2	14	69	249	631	1169	1654	1908	1978	1986	1987
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	39	105	265	555	1028	1688	2471	3211	3753	4084	4225	4276

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86.
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